							41
62 16	122 36	182 56	242 76	302 96	362 116	422 136	482 156
ATC I	CGC AAC CTC CCC CTC CCG GGT TCA AGC GAT TCT CCT GCC TCA GCC TCC CCA R N L R L P G S S D S P A S A S P	ATT ACA GGC ATG TGC ACC CAC GCT CGG CTA ATT TTG TAT TTT TTA GTA I T G M C T H A R L I L Y F F L V	TIT CTC CAT GTT GGT CAG GCT GGT CTC GAA CTC CCG ACC TCA GAT GAT CCC F L H V G Q A G L E L P T S D D P	GCC TCC CAA AGT GCT AGA TAC AGG ACT GGC CAC CAT GCC CGG CTC TGC CTG A S Q S A R Y R T G H H A R L C L	TGT GGT AGA AAC AGG GTT TCA CTG ATG TGC CCA AGC TGG TCT CCT GAG CTC C G R N R V S L M C P S W S P E L	ACC TGC CTC AGC CCA AAG TGC TGG GAT TAC AGG CGT GCA GCC GTG CCT T C L S L P K C W D Y R R A A V P	ATT TTA TIT TTA AGA CAC AGG TGT <i>CCC ACT CTT ACC CAG CAT GAA GTG</i> 482 I L F F L R H R C P T L T Q D E V 156
SCA ▲	301 S	TTA L	GAT D	09 <u>1</u>	GAG E	6T6 V	100 P
99 90 90 90 90 90 90 90 90 90 90 90 90 9	GCC		GAT D	CTC L	00 100 100 100 100 100 100 100 100 100	900 A	0
W W	TCA S		TCA S	000 R	101	GCA A	CAC
292	GCC	TAT	ACC T	SCC A	992	CGT R	ACC T
CAG E	CCT P	176	900 J	CAT H	AGC .	AGG R	<i>CTT</i>
7 913	TCT S	ATT	CTC L	CAC H	CCA	TAC Y	ACT
AGG P	SAT	CTA	GAA E	ეეე ეეეე	76C P	GAT D	
200	AGC (CGC	CTC L	ACT T	ATG C	TGG W] C C
7	TCA	GCT	199	AGG R	CTG M	76C C	AGG R
911	361	CAC	GCT A	TAC	TCA L	AAG K	CAC H
7 212	99	ACC	CAG	AGA R	GTT	CCA P	AGA R
5)))	29L	66T 6	GCT A	AGG R V	CTC L	TTA L
) S	ATG M	6TT V	AGT S	AAC N	AGC S	
SAG	7	ე ეეე	CAT H	CAA Q	AGA R	CTC L	<u>⊢</u> ⊢
ATG (AAC	ACA T	CTC L	20C S	06T	16C C	11A L
60	000 P	ATT I	H H	000 A	76T C	ACC T	ATT I
tttg	CAC H	999 999	GAG E	706 S		700 S	
ttt	100	GCT (ATG (010	AAT	CAG Q	CTT L
ttttttttttgag ATG GAG TTT TCG CTC TTG TTG CCC AGG CTG GAG TGC AAT GGC GCA ATC M $$ E $$ F $$ S $$ L $$ L $$ P $$ R $$ L $$ E $$ C $$ N $$ G $$ A $$ I	TCA (GTA (GAG /	70C (GCT A	AAG K	
	63	123 37	183	243	303	363	423 137

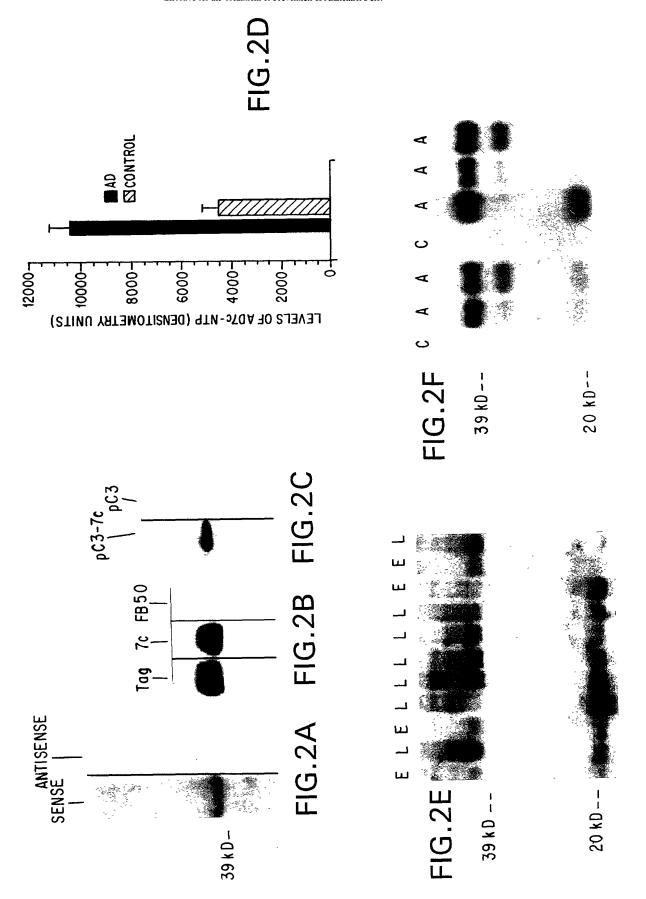
FIG. 1/

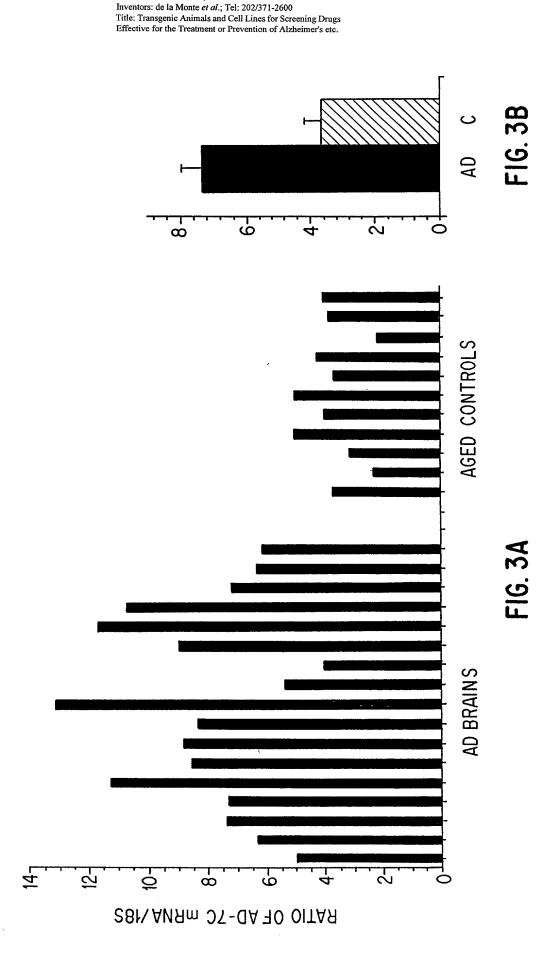
542 176	602 196	662 216	722 236	782 256	842 276	902 296	962 316
483 <i>CÁC TGC TGT CÁC TCÁ CTC CÁC CCT TCÁ ÁCT CÁT CÁG ÁTC ÁÁG CÁT CCT CCT CCT CCC</i> 542 157 Q W C D H S S L Q P S T P E I K H P P A 176	CA GCC TCC CAA GTA GCC AAA GAC ATG CAC CAC TAC ACC TGG CTA ATT TTT ATT 602 A S Q V A G T K D M H H Y T W L I F I 196	N F L R Q S L N S V T Q A G V V V V O A C V V V V V V V V V V V V V V V V V V	GÓC TCA CTC CAA CCT CTC CCT CCC GGC TTC AAG TTA TTC TCC TCC CCC AGC T22 C S L Q P L P P G F K L F S C P S 236	S W D Y R R P P R L A N F F V F L 256	COCC TIC ACC ATC TIC CCC ACC TIC ATC TIC ATC TCT CCA CCT TGT CAT CTC 842 CC F T M F A R L I L I S G P C D L 276	ATT I	166
CCT P	777 F	CAC	D	111 F	0	GCC TCC CAA AGT GCT GGG ATT ACA GGC GTG AGC CAC GCC CGC CTT ATT A S Q S A G I T G V S H H A R L I	TGT TTG TTT GAA ATG GAA TCT CAC TCT GTT ACC CAG GCT GGA GTG CAA TGG
<i>CCT</i> P	AII	219	292	<i>614</i>	<i>161</i> C	000 R	016
E E	CIA	S	<i>S</i>	711 F	<i>CCT</i> P	900 A	GGA GGA
X AAC	991 ≥	A A	71C F	111	SS	CAC	139 V
ATC	ACC _	CAG	1114	AA'N	<i>S</i>	CAC H	CAG
E GAG	717	400 T	¥ X	A A	ATC I	AGC S	ACC _
P CCT	T CAC	676	77C F	CIA	116 L	6T6 V	611
ACT	F CAC	<i>S</i>	999	000C	41C 1)))	S 101
S	A 16	AAC	b	P C	116	ACA T	CAC T
P CCT	CAC	ر روزر	<i>CCT</i>		AGG	ATT I	12I S
OSC	₹ ×	A67 S	<i>CTG</i>	R R	000 V	9 999	GAA E
<i>CIG</i>	ACC 1	0	P CCT	ACC R	71C F	GCT A	ATG M
S S	999	A624	OAA	TAC.	A76	AGT S	6AA E
AGC	V V	110	CTG	D CÁC	ACC 1	CAA	<u> </u>
EAC T	67A	111 F	S S	<i>100</i> ★	77.C F	32 S	776 L
0.47 D	30	AAT	299	AGC S	<i>999</i>	GCC A	101 C
<i>191</i>	<i>S</i> S	111 F		AGT	A76 M	S S	
<i>166</i>	DDD A	1 ATT TTT	CCC AAT CTT	TC CTC ACT	CAC E	<i>CCC</i>	AAT N
0	S S	11	7.71	, (C)(C)	\ \	<i>y cc7 ccc7</i> cc P A S	TTT AAT TTT F N F
483	543	603	663	723 237	783	843	903 297

FIG. 1E

1022	336	1082 356	1083 ATT AGA GCC GCG GTT TCA CCA TAT TTG TCA GCC TGG TCT CAA ACT CCT GAC CTC AGG tgac 1143 357 I R G G V S P Y L S G W S Q T P D L R 375	1144 ccacctgcctcagccttccaaagtgctgggattacaggcgtgagccacctcacccagccggctaatttagataaaaaaat 1223	1224 atglagcaalgggggtettgetalgttgeecaggelggteteaaaettelggetteatgeaateettecaaalgageea 1303	coacacccagccagtcacatttttaaacagttacatctttattttagtatactagaaagtaatacaataaacatgtcaa 1383	1442
AGC	317 PNLGSLQPLPPGLKRFSCLS 336	TTC F	tgac	aaat	poob	tcaa	
CTC		ATT	AGG R	ממממ	aatga	ıcatg	
TGT	ပ	TGT C	CTC L	agat)000	ıtaa	
232	S	<u> </u>	GAC D	aatt	cctt	: מכמנ	
110	F	AAT N	CCT P	gctc	jcaat) taa t	
CGA	24	GCT A	ACT T	່ງວວຣ໌ເ	cate	jagać	ıgca
AAG	×))))	CAA Q	၁၁၁၁	gct t	icta	tage
CTC	_	CAC H	TCT S	ctcc	tctc	tato	ogct t
999	9	CCA P	TGG W	Jccac	aact	ttac	וכממנ
g	۵.	CCA P))	jtga	icto	t tat 1	t taa
53	<u>о</u> -	CTG L	TCA S	jobbc	tggł	ıtctl	oct t 1
CTG		CAC	776 L	1,1000	aggc	tacc	atac
D	مـ	999	TAT Y	gga t	ာဘင်း	scagt	itt
CAA	o	TAC	CCA P	gete	ıtgtl	taac	igtto
CTG		GAT	TCA S	aaal	gcte	#	ncago
TCA	S	166	GTT V	tcc	ytct!	acal	igt ac
99	ပ	S AGC	9 999	gcct	39999	agto	agto
CTC	ر	S AGC	9 9	ctca	aatgo	agc	atta
AAT	z	D GCA	AGA R	ctga	agcc.	Sacco	gcac
CCA	<u>a</u>	C1C	ATT I	CCG	atgl	caac	acc
963	317	1023 CTC CCA AGC AGC TGG GAT TAC GGG CAC CTG CCA CCA CCC GCT AAT TTT TGT ATT TTC 1082 337 L P S N F C I F 356	1083 357	1144	1224	1304	1384 accigcaaattcagtagtaacagagttcittiataactittaaacaaagciitagagca

FIG. 1





Appl. No. 09/964,666; Group Art Unit: 1633 Dkt. No. 0609.4370003; Batch No.: N/A



FIG.3C



FIG.3D

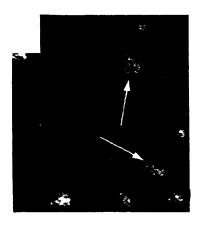


FIG.3E

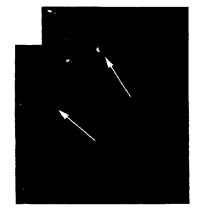
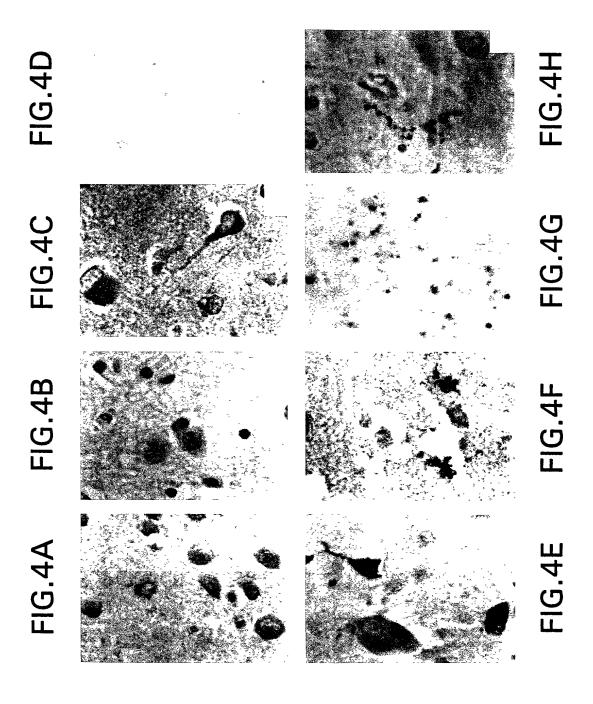
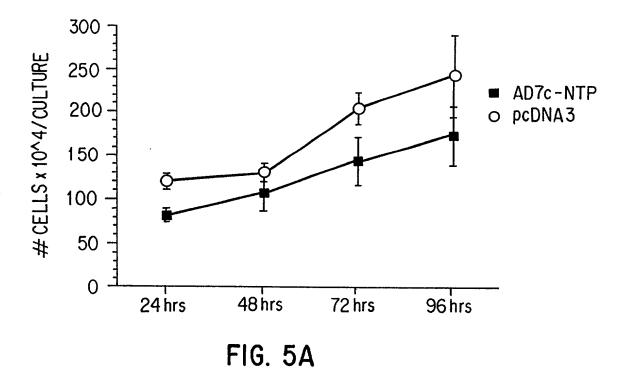


FIG.3F

Appl. No. 09/964,666; Group Art Unit: 1633
Dkt. No. 0609,4370003; Batch No.: N/A
Inventors: de la Monte et al.; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of Alzheimer's etc.





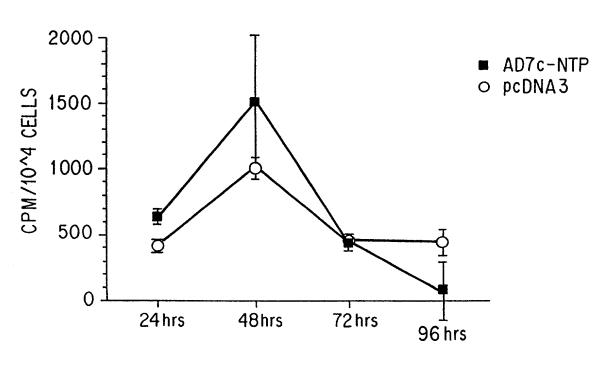
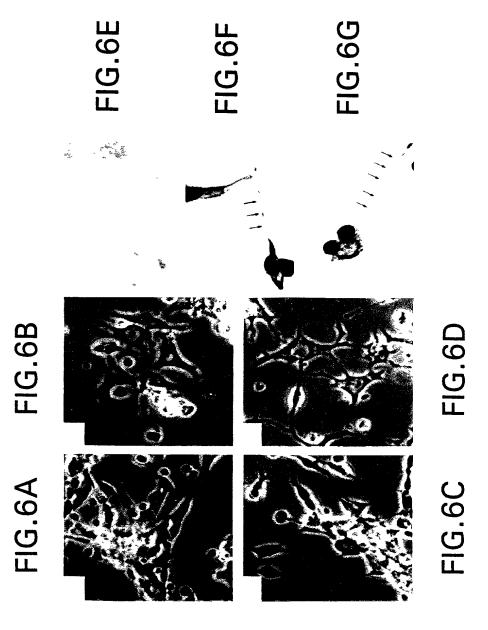
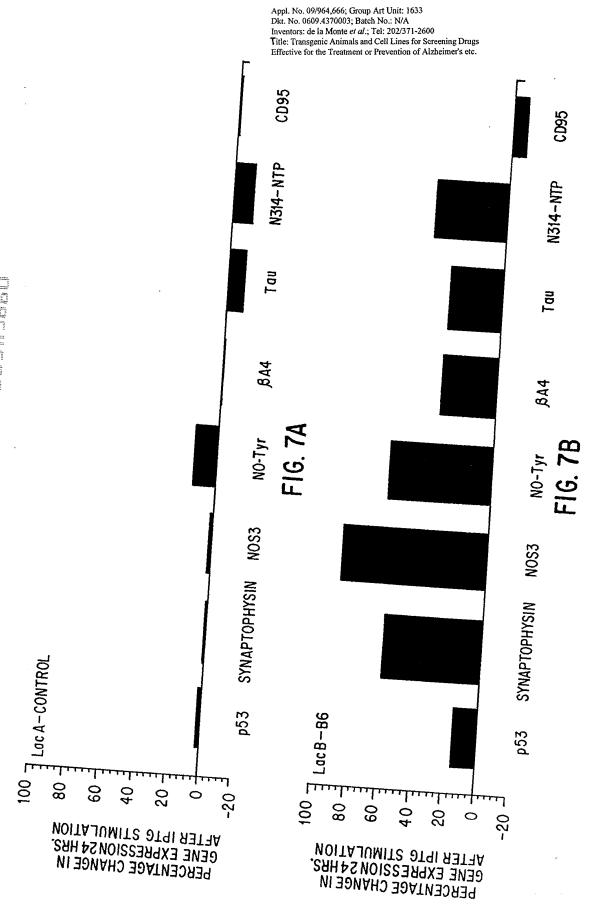


FIG. 5B



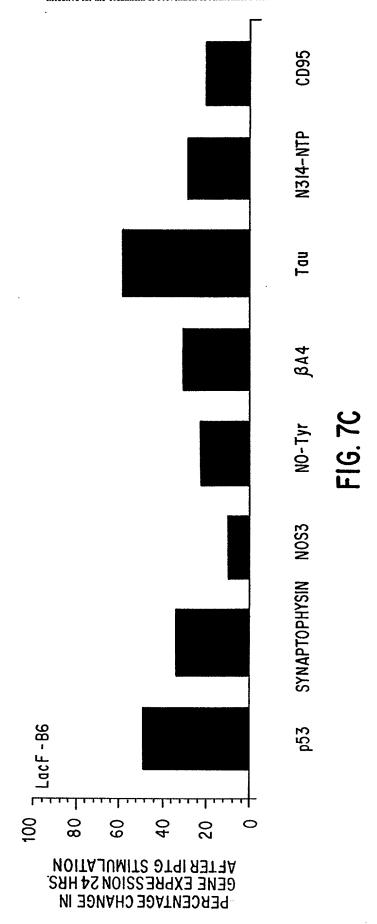


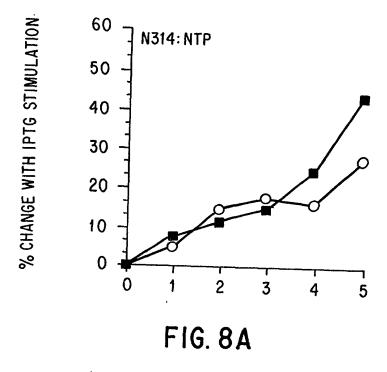
Sheet 10 of 16

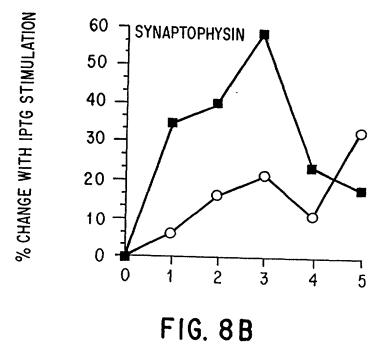
Appl. No. 09/964,666; Group Art Unit: 1633 Dkt. No. 0609.4370003; Batch No.: N/A

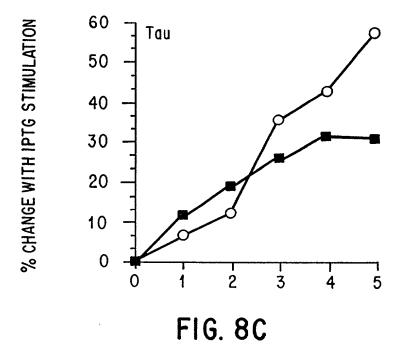
Inventors: de la Monte et al.; Tel: 202/371-2600

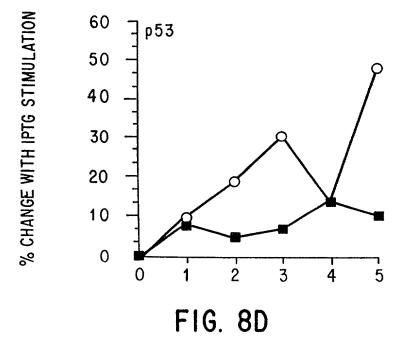
Title: Transgenic Animals and Cell Lines for Screening Drugs Effective for the Treatment or Prevention of Alzheimer's etc.

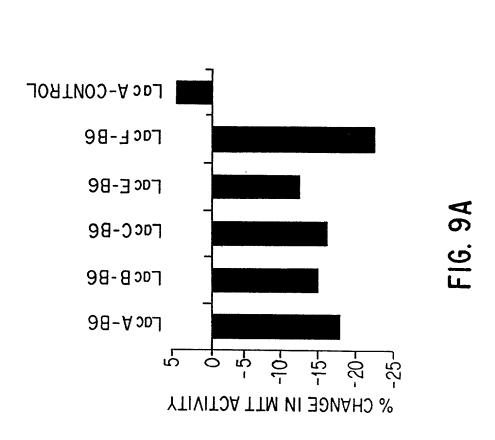


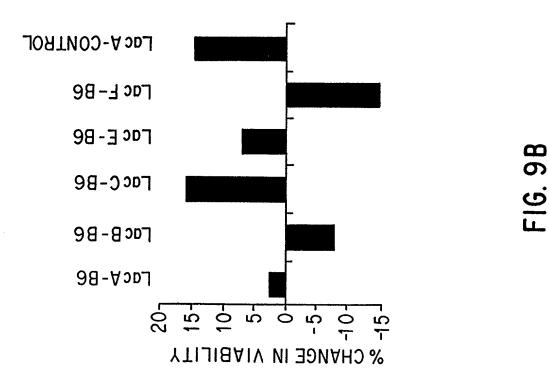


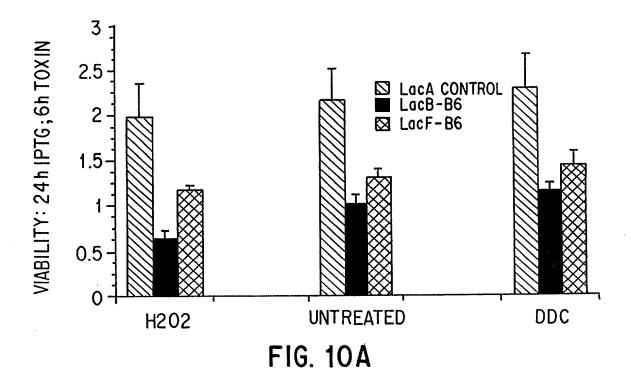


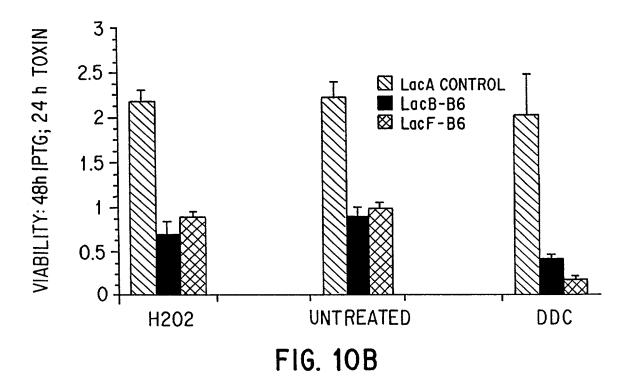












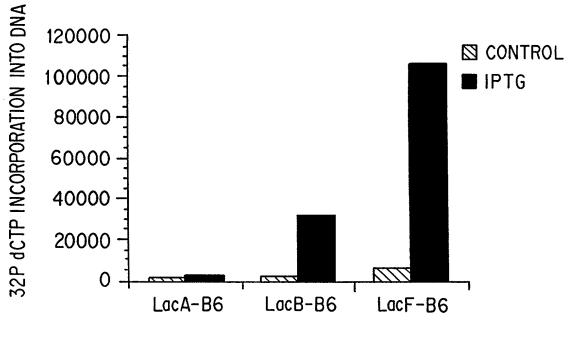


FIG. 11

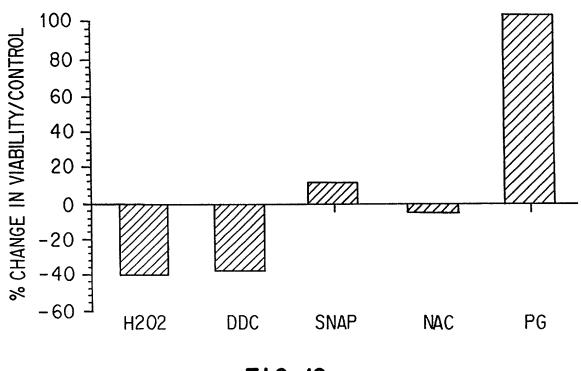


FIG. 12